

ALERT SERVICE BULLETIN
Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

NO. 412-05-116

DATE FEB 18, 2005

PAGE 1 of 3

DATE

REV

MODEL AFFECTED: 412, 412EP

SUBJECT: CROSSHEAD P/N 212-010-775-001, INSPECTION AND RECALL OF SPECIFIC SERIAL NUMBER PART.

HELICOPTERS AFFECTED: All model 412 & 412EP Helicopters with crosshead P/N 212-010-775-001 S/N prefix BTFS 02, 18, 21, 34, 42, 43, 47, 50, 60, 61, 64, 66, 70 thru 77, 79 thru 87, 89 thru 100, 127, 128, 131, 134, 135, 140, 142, 144, 145 and 159 installed are affected by this ASB.

All crossheads with the subject serial number were sold as spare parts only.

All model 412 & 412EP Helicopters with original crosshead are not affected by this ASB.

COMPLIANCE: Upon receipt of this bulletin, perform a search of all existing spares stock, helicopter records, and physically inspect the aircraft to identify suspect crosshead serial numbers.

Remove parts already in service, within the next 50 hours but no later than June 30, 2005.

DESCRIPTION:

Bell Helicopter has determined that there is a potential of crosshead serial numbers that are suspect, as they may not meet our quality standards, as they do not have appropriate quality paperwork to support them. In the interest of minimizing any quality concerns it is necessary to recall the above parts. Bell Helicopter has issued this Bulletin requiring the inspection of aircraft and spares stock for the serialized part number indicated.

APPROVAL:

The engineering design aspects of this bulletin are FAA/DER approved.

MANPOWER:

Approximately 1 man-hour is required to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

WARRANTY:

Owner/Operators who comply with the instructions outlined in this bulletin are eligible for a 100% warranty credit for the replacement parts contained in the "Required Material" section of this ASB if the subject part is still covered by New Aircraft Warranty or Spare Parts Warranty. If the aircraft warranty has expired or if the subject part is outside the Bell standard Spare Parts Warranty (one year or 1000 hours from date of installation) 60% warranty will apply.

To receive this credit:

- * Purchase the required replacement parts from an approved BHTI supply source.
- * Comply with the instructions contained in this bulletin no later than the date outlined in the Compliance Section of this ASB.
- * Submit a completed malfunction report to Bell Warranty Dept. no later than 30 days after completion of the bulletin.

MATERIAL:

Required Material:

The following material may be required for the accomplishment of this bulletin only if suspect part is found and may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
212-010-775-001	Crosshead	1

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-412-IPB Illustrated Parts Breakdown
BHT-412-MM Maintenance Manual

PUBLICATIONS AFFECTED:

None affected

ACCOMPLISHMENT INSTRUCTIONS:

1. Upon receipt of this Bulletin check your stock, helicopter records and physically inspect the aircraft to identify suspect part serial numbers listed below.
2. Within the next 25 hours, replace affected serial numbers listed in accordance with the BHT-412-MM.
3. The serial number is vibro-etch on the exposed part of the crosshead body.
4. The following serial numbers are suspect:

All prefix **BTFS** with S/N: 02, 18, 21, 34, 42, 43, 47, 50, 60, 61, 64, 66, 70 thru 77, 79 thru 87, 89 thru 100, 127, 128, 131, 134, 135, 140, 142, 144, 145, 159.
5. Only those serial number items listed are affected. A part with a serial number that is close to, or has a serial number prefix that is different from the ones listed is not affected and does not require removal from service.
6. Annotate aircraft records to indicate compliance with this Bulletin.